

SCS ENGINEERS

Results of the Second Quarter 2005 Groundwater Monitoring and Sampling Event

**Schmidbauer Lumber, Inc.
1099 Waterfront Drive
Eureka, California**

File Number 01203316.00

Prepared by:

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3645 Westwind Boulevard
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To:

**Kasey Ashley
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
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14 July 2005

LIMITATIONS/DISCLAIMER

This report has been prepared for Schmidbauer Lumber Company, Inc. with specific application to a quarterly monitoring event for the property located at 1099 Waterfront Drive, Eureka, California (the "Site"). Field activities and sampling were conducted in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, either expressed or implied, is made as to the professional advice presented herein.

Access to the Property was limited by buildings, automotive traffic, underground and aboveground utilities, and other miscellaneous site features. Therefore, the field exploration and points of subsurface observation were somewhat restricted.

Changes in site use and conditions may occur due to variations in rainfall, temperature, water usage, or other factors. Additional information which was not available to the consultant at the time of this quarterly monitoring event or changes which may occur on the site or in the surrounding area may result in modification to the site that would impact the summary presented herein. This report is not a legal opinion.

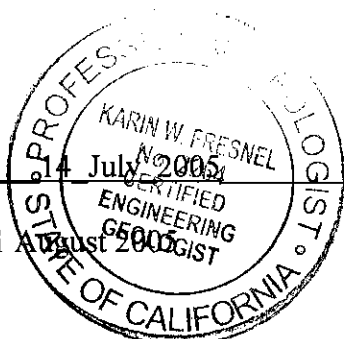
We look forward to continuing to work with you on this project and trust this report provides the information you require at this time. If you have any questions or need additional information, please call SCS at 707.476.1590.

162
Scott Graham *Per*
Project Geologist

7/15/05
Date

Karin W. Fresnel
Karin W. Fresnel
Certified Engineering Geologist #2264

14 July 2005
Date
Expires 31 August 2005



Introduction

SCS Engineers (SCS) is pleased to present the results for the second quarter 2005 groundwater monitoring and sampling event at the Schmidbauer Lumber, Inc. (Schmidbauer) site located at 1099 Waterfront Drive in the City of Eureka, California. A summary of historical site investigation activities is presented in previous reports (PNEG, 1998a, 1999a, & 2001c; SCS, 2003b & 2004b). The site location is as shown on the attached Site Location Map (Figure 1). General site features are as shown on the attached Site Plan (Figure 2).

Groundwater Monitoring

Depth to groundwater measurements were collected from monitoring wells MW-1, MW-2, MW-3R, MW-4, MW-5, MW-7, MW-8D and MW-9D on 16 June 2005 in order to determine groundwater flow direction and gradient at the site. Depth to groundwater in the shallow wells ranged from approximately 2.11 to 3.11 feet below existing grade. The depths to groundwater in the deep wells (MW-2, MW-8D, and MW-9D) were 6.61 to 7.25 feet below existing grade. The depth to groundwater measurements and well casing elevations were used to calculate the groundwater flow direction and gradient at the Site. Casing and groundwater elevations are reported in feet relative to mean sea level. Depths to groundwater are expressed in feet. The site-wide or regional shallow groundwater flow direction was interpolated to be north-northwest (Figure 3, and Chart 2) at a calculated gradient of 0.001, localized shallow groundwater flow direction and gradient were not determined as well MW-6 was inaccessible (Figure 4, and Chart 3), and the deep flow direction was interpolated to be North (Figure 5 and Chart 1) at a calculated gradient of 0.001 for the second quarter 2005 monitoring event. Groundwater flow direction and gradient for this and previous monitoring events are presented in Tables 1A, 1B, and 1C (attached).

Groundwater Sampling

Monitoring wells were checked for the presence of free product using an oil/water interface probe. Free product was not present during this monitoring event. Wells scheduled for sampling were purged of approximately three (3) wetted well casing volumes, or at least five (5) gallons of groundwater, whichever was greater, or until the well went dry, using a submersible pump. Temperature, pH, conductivity, turbidity, and dissolved oxygen readings were measured during purging to determine that groundwater representative of aquifer conditions was entering the well casings for sampling. Wells were allowed to recover to 80 percent of static levels or for two hours prior to sampling. Groundwater samples were collected using a clean, disposable bailer for each well. Samples were transferred to appropriate laboratory-supplied containers for analysis. Groundwater samples were labeled, stored under refrigerated conditions, and transported under Chain-of-Custody documentation to Analytical Sciences (AS), a California Department of Health Services-certified laboratory, in Petaluma, California. All samples were collected in accordance with the SCS' Standard Soil and Water Sampling Procedures and QA/QC Protocol. Water generated

during recent site investigative activities is currently stored at the site in 55-gallon UN/DOT-approved 17-E/H drums, pending characterization and disposal. Information related to well purging was recorded on groundwater field sampling forms. Well Purge Records are presented in Appendix A.

Laboratory Analysis

Groundwater samples collected from MW-1, MW-2, MW-6, MW-7, MW-8D, and MW-9D were analyzed for chlorophenols using the Canadian Pulp Method. The Canadian Pulp Method was developed specifically to test for chlorophenols in samples with high wood sugars. This method is accepted by the North Coast Regional Water Quality Control Board (NCRWQCB) and by the Department of Toxic Substances Control DTSC.

Additionally, analysis for trihalomethanes By USEPA Test Method 8260B was also performed at the request of the NCRWQCB during this monitoring event.

Laboratory Analytical Results

All groundwater samples analyzed for this monitoring event were below laboratory minimum detection limits (MDLs) for target analytes. Recent analytical results are incorporated with historical data in Tables 2 through 11 and plotted on the attached time versus concentration diagram (See Diagram A). A copy of the laboratory report is also attached (Appendix B).

Discussion

Consistent with previous reports and based on historical analytical information, concentrations of target analytes [pentachlorophenol (PCP), tetrachlorophenol isomers, and trichlorophenol (TCP)] in all wells have followed a trend of continuous decline to below laboratory minimum detection limits since inception of the groundwater sampling program in March 1999 (Tables 2 - 11 and Diagram A).

All samples analyzed for this monitoring event were below laboratory MDLs for target analytes. Samples collected from the shallow groundwater monitoring wells (MW-1, and MW-3R through MW-7) have been below laboratory MDLs for all target analytes since the May 2002 quarterly sampling event. Samples collected from the deep groundwater monitoring wells (MW-2, MW-8D, MW-9D) have been below laboratory MDLs for all target analytes since the February 2004 quarterly sampling event. Monitor well MW-6 was inaccessible and was not sampled during this event.

A groundwater mound exists between Mill #1 and Mill #2 (Figure 2). A localized groundwater flow plate has been prepared for this area (Figure 4). Well MW-6 was inaccessible this quarter. Groundwater gradient and flow direction could not be calculated for this quarterly event.

Analysis for trihalomethanes was also performed this quarter as requested in the 8 June 2005 NCRWQCB letter. This analysis was performed to determine whether a leaking water line at the

Site may be influencing groundwater gradient at the site. Groundwater samples were below laboratory MDLs for trihalomethanes (Table 12).

Project Update

SCS has submitted a report of findings for groundwater flow direction analysis and review for individual well grouping. The report identifies an approximate area for additional investigation. SCS will prepare and submit a workplan to NCRWQCB by 30 July 2005 in accordance with Cleanup and Abatement Order R1-2005-0040. The next quarterly monitoring event is scheduled for September 2005.

Attachments

Figures

- Figure 1: Site Location Map
Figure 2: Site Plan with Boring and Monitoring Well Locations
Figure 3: Site Plan - Groundwater Flow Direction and Gradient – Sitewide Shallow Wells: MW 3R, 4 & 5 for 6/16/05
Figure 4: Site Plan - Groundwater Flow Direction and Gradient – Local Shallow Wells: Wells MW1, MW6 & MW7 for 6/16/05
Figure 5: Site Plan - Groundwater Flow Direction and Gradient – Local Deep Wells: Wells MW-2, MW-8D & MW 9D for 3/9/05

Charts

- Chart 1: Windrose Diagram: Groundwater Flow Directions 3/99 through 6/05 - Deep Monitoring Wells
Chart 2: Windrose Diagram: Shallow Monitoring Wells – 3/99 through 6/05
Chart 3: Windrose Diagram: Shallow Monitor Wells – 5/01 through 6/05

Tables and Diagrams

Key and Footnotes to Diagram and Tables

Diagram A: Contaminant Concentration & Groundwater Elevation vs. Time – MW-1

- Table 1A: Groundwater Flow Direction and Gradient for Shallow Wells: Site Wide
Table 1B: Groundwater Flow Direction and Gradient for Shallow Wells: Local
Table 1C: Groundwater Flow Direction and Gradient for Deep Wells
Tables 2-11: Groundwater Analytical Results - MW-1 through MW-9D
Table 12: Groundwater Analytical Results - Trihalomethanes

Appendix A: Well Purge Records dated June 16, 2005

Appendix B: Analytical Sciences report #5061703, dated June 29, 2005

References

- Environmental Resources Management, 1998, MW-14 Sampling Results, Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, September 4.
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- PNEG, 1997, Work Plan for Subsurface Investigation - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, January 27.
- _____, 1998a, Report on Subsurface Investigation - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, May 22.
- _____, 1998b, Work Plan for Monitoring Well Installation - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, December 10.
- _____, 1999a, Report of Investigation - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, August 30.
- _____, 1999b, Results of the June 1999 Quarterly Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, September 14.
- _____, 1999c, Results of the September 1999 Quarterly Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, November 15.
- _____, 2000a, Results of the December 1999 Quarterly Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, March 8.
- _____, 2000b, Results of the March 2000 Quarterly Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, May 23.
- _____, 2000c, Results of the 2nd Quarter 2000 Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, July 26.
- _____, 2000d, Work Plan for Installation of Peripheral Monitoring Wells and for Feasibility Study for Site Remediation by Phytoremediation - Schmidbauer Lumber, Inc., Foot of Clark Street, Eureka, California, September 12.
- _____, 2000e, Results of the 3rd Quarter 2000 Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, October 31.
- _____, 2001a, Results of the 4th Quarter 2000 Groundwater Monitoring Event at the Foot of Clark St., Eureka, California, January 22.
- _____, 2001b, Work Plan for Phytoremediation Pilot Study - Schmidbauer Lumber, Inc., Foot of Clark Street, Eureka, California, March 8.
- _____, 2001c, Report on Installation of Monitoring Wells - Schmidbauer Lumber Inc., Foot of Clark St., Eureka, California, March 29.
- _____, 2001d, Report on Results of the 2nd Quarter 2001 Quarterly Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., Foot of Clark Street, Eureka, California, July 7.
- _____, 2001e, Results of the 3rd Quarter 2001 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., Foot of Clark Street, Eureka, California, October 29.
- _____, 2002a, Results of the 4th Quarter 2001 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, January 17.

- _____, 2002b, Work Plan for Installation of Additional Deep Monitoring Wells and Additional Shallow Borings - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, April 29.
- _____, 2002c, Results of the 1st Quarter 2002 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, May 20.
- _____, 2002d, Results of the 2nd Quarter 2002 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, July 3.
- _____, 2002e, Results of the 3rd Quarter 2002 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, September 25.
- _____, 2002f, Results of the 4th Quarter 2002 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, December 23.
- _____, 2003a, Results of the 1st Quarter 2003 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, March 17.
- _____, 2003b, Results of the 2nd Quarter 2003 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, June 23.
- SCS, 2003a, Results of the 3rd Quarter 2003 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, September 30.
- _____, 2003b, Results of Monitoring Well Installation and Drilling of Additional Borings - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, November 20.
- _____, 2004a, Results of the 4th Quarter 2003 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, January 14.
- _____, 2004b, Results of Monitoring Well Installation and Drilling of Additional Borings (Revised, 11/20/03) and Results of Additional Deep Monitoring Well Installation - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, April 12.
- _____, 2004c, Results of the 2nd Quarter 2004 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, July 20.
- _____, 2004d, Correction to the Results of the 2nd Quarter 2004 Groundwater Monitoring and Sampling Event report, dated July 20, 2004, for the Schmidbauer Lumber, Inc. site at 1099 Waterfront Drive, Eureka, California, July 29.
- _____, 2004e, Results of the 4th Quarter 2004 Groundwater Monitoring and Sampling Event - Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California, December 2.
- _____, 2005a, Report of Findings: Groundwater Flow Direction Analysis and Review, Schmidbauer Lumber, Inc., 1099 Waterfront Drive, Eureka, California.

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Figures



Source of Base Map: DELORME 2000®

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PROJ. NO:	01203316.00	TAKEN BY:	FILE:
DATE:	10/20/04	CREATED BY:	APP. BY:
		JJM	DRD

SITE LOCATION MAP

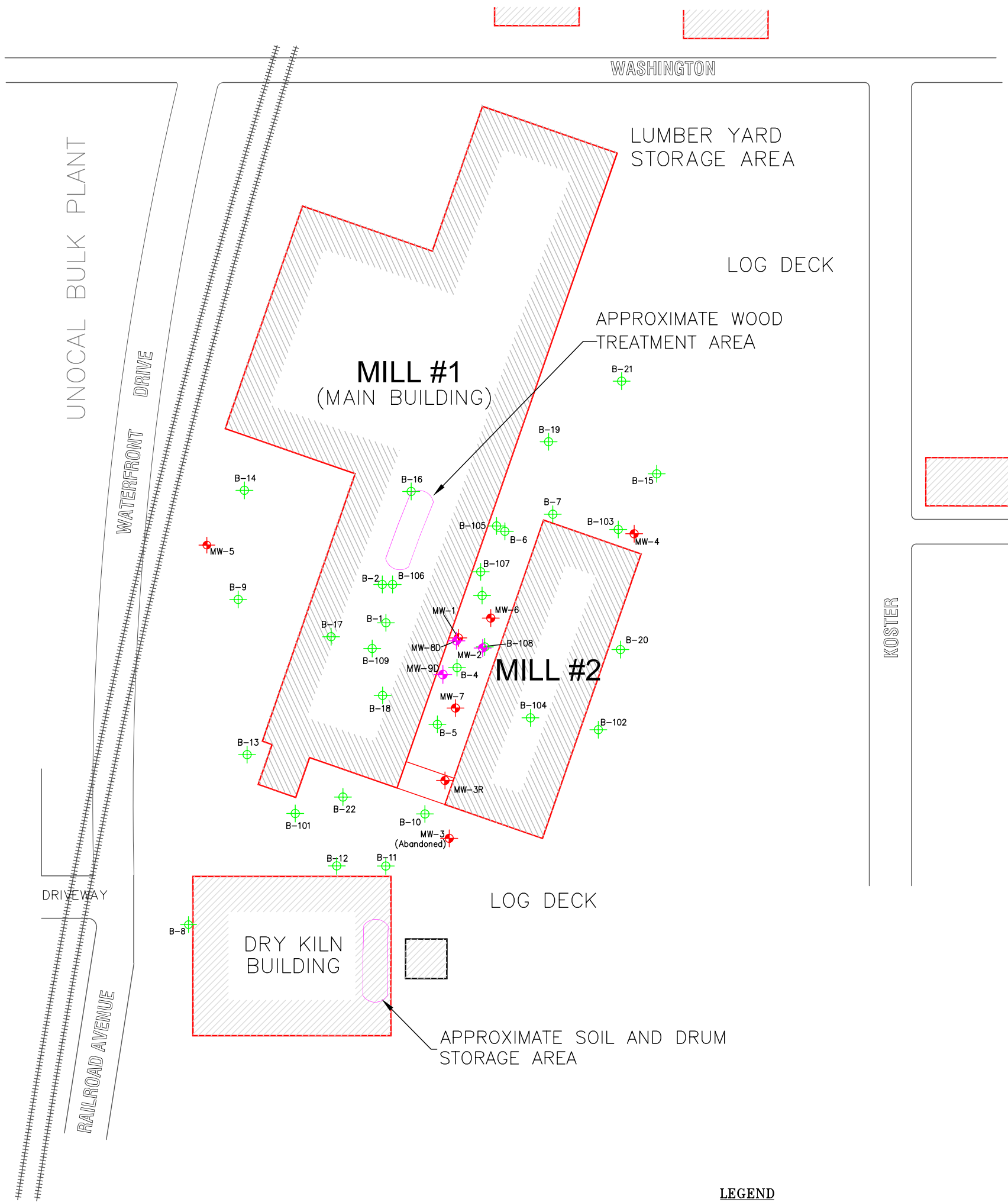
SHMIDBAUER LUMBER COMPANY
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

APPROX. SCALE



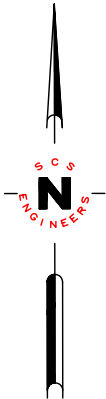
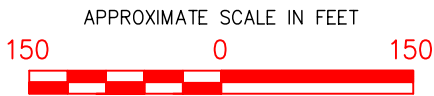
FIGURE:

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LEGEND

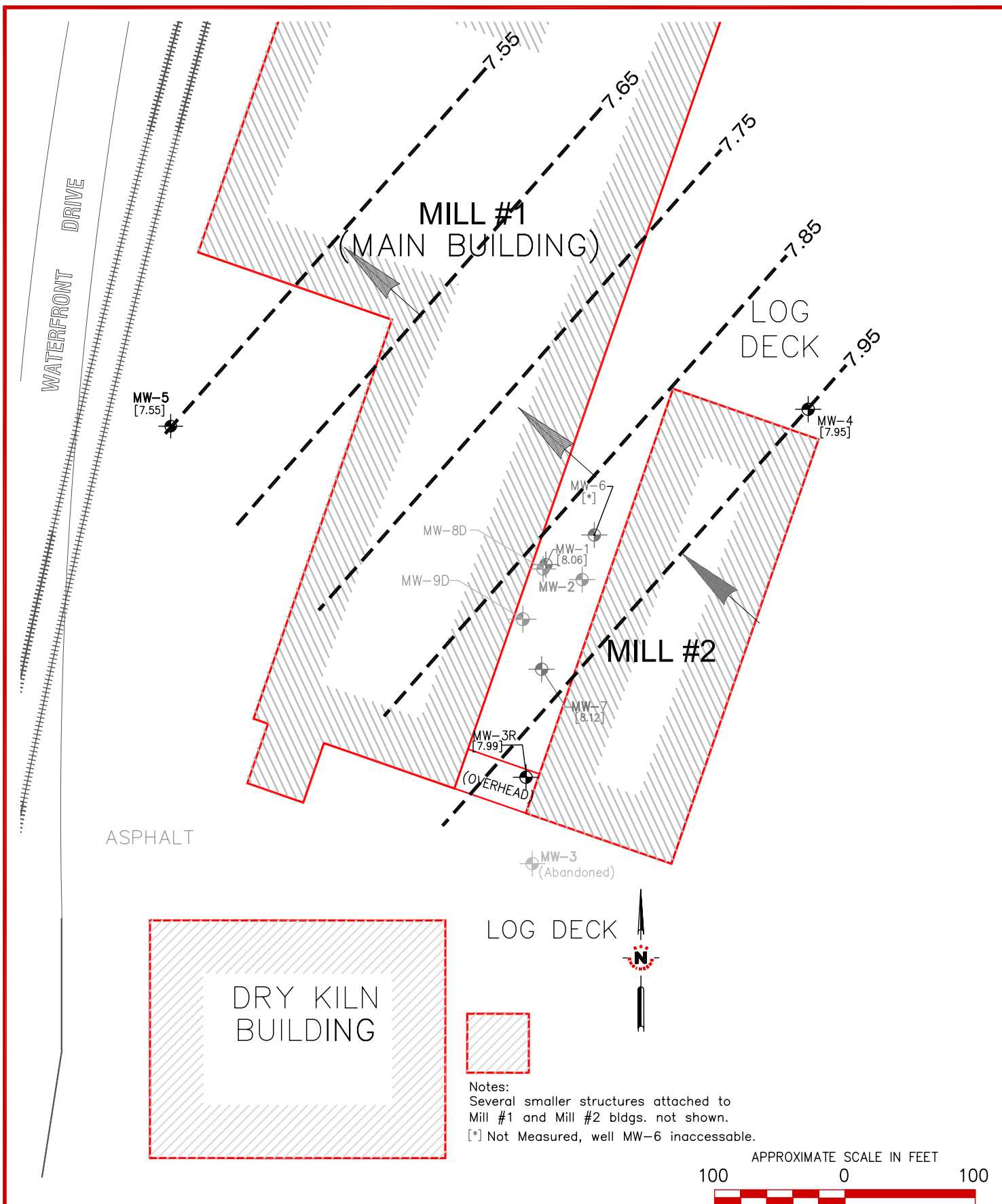
- SHALLOW WELL LOCATION
- DEEP WELL LOCATION
- BORING LOCATION



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3645 WESTWIND BOULEVARD SANTA ROSA, CALIFORNIA PH. (707) 546-9461 FAX. (707) 544-5769		
PROJ. NO. 0120316.00	DWN. BY: JUM	ACAD FILE:
DATE 6/28/05	CHK. BY: KWF	APP. BY:

SHEET TITLE	SCHMIDBAUER LUMBER COMPANY 1099 WATERFRONT DRIVE EUREKA, CALIFORNIA
PROJECT TITLE	

SCALE:
1" = 150'
FIGURE NO.
2



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DATE	6/5/05	CHK. BY:	KWF	APP. BY:	KWF

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 SHALLOW WELLS: MW 3R, 4 & 5 FOR 6/16/05

PROJECT TITLE:

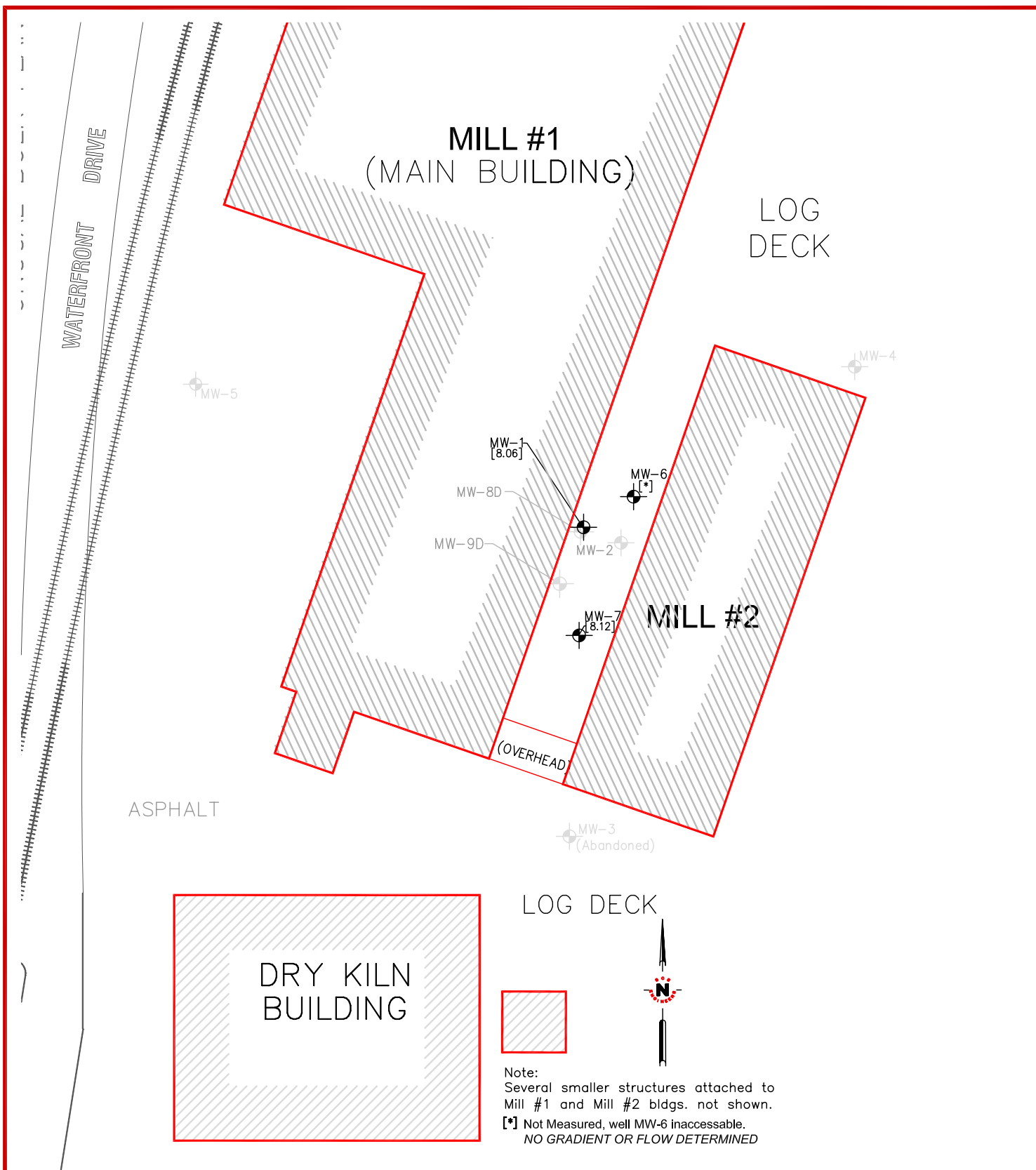
SCHMIDBAUER LUMBER, INC.
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SCALE:

1" = 100' +/-

FIGURE NO.

3



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DATE	6/5/05	CHK. BY:	KWF	APP. BY:	KWF

SHEET TITLE: SITE PLAN - GROUNDWATER FLOW DIRECTION AND GRADIENT - LOCAL
SHALLOW WELLS: WELLS MW1, MW6 & MW7 FOR 6/16/05

PROJECT TITLE:

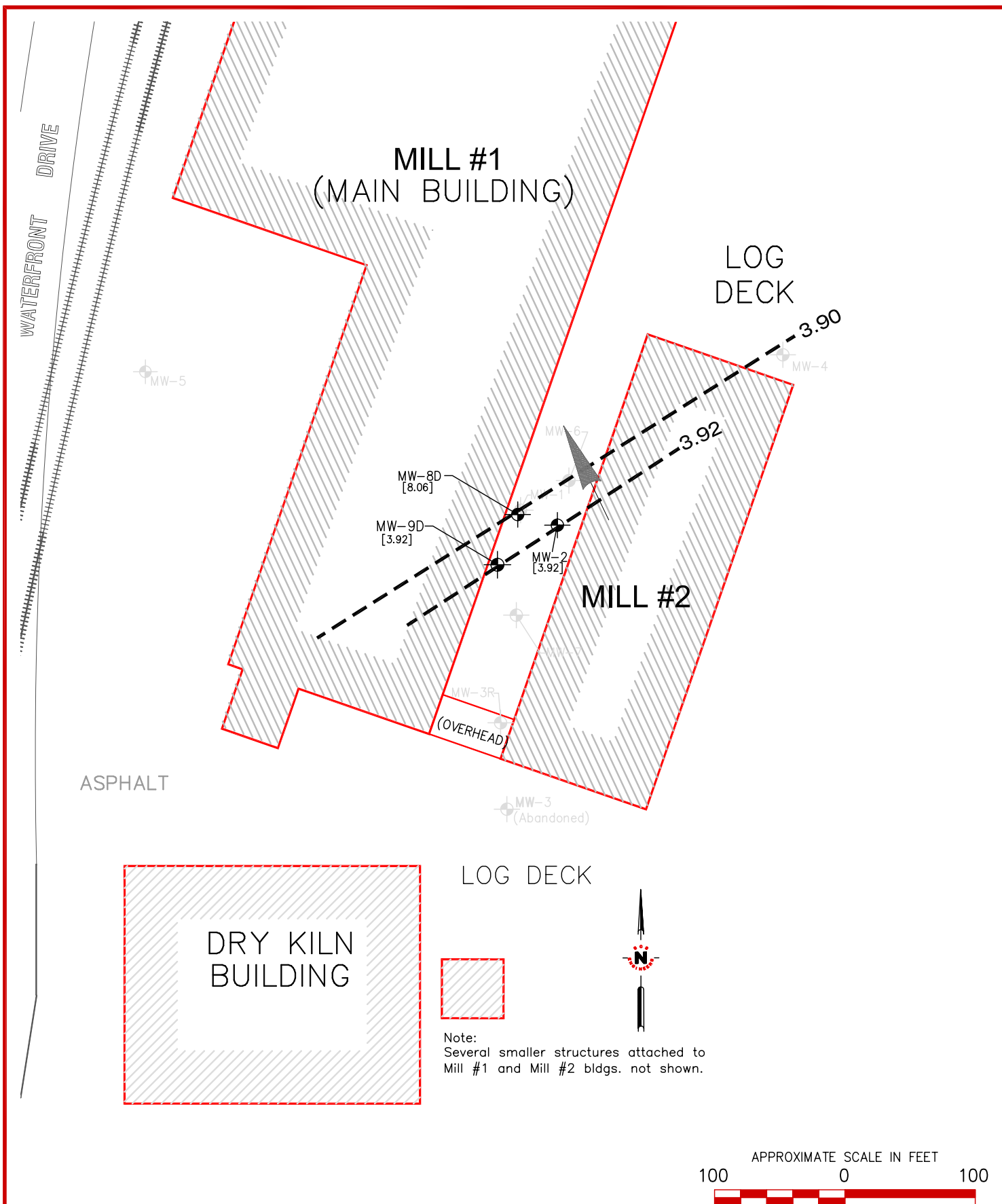
SCHMIDBAUER LUMBER, INC.
1099 WATERFRONT DRIVE
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SCALE:

1"= 100' +/-

FIGURE NO.

4



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DATE	6/5/05	CHK. BY:	KWF	APP. BY:	KWF

SHEET TITLE:

SITE PLAN - GROUNDWATER FLOW DIRECTION AND GRADIENT - LOCAL
DEEP WELLS: WELLS MW-2, MW-8D & MW 9D FOR 6/16/05

PROJECT TITLE:

SCHMIDBAUER LUMBER, INC.
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

SCALE:

1"= 100' +/-

FIGURE NO.

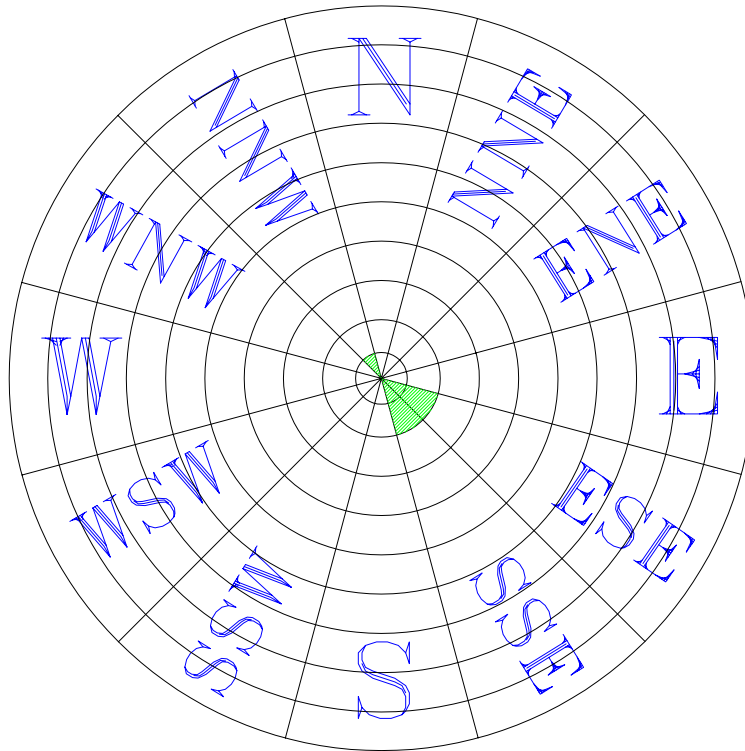
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Charts

WINDROSE DIAGRAM

DEEP WELLS

(MW-2, MW-8D & MW-9D)



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DATE	7/14/05	CHK. BY:	KWF	APP. BY:	

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DEEP MONITORING WELLS

PROJECT TITLE:

SCHMIDBAUER LUMBER COMPANY
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

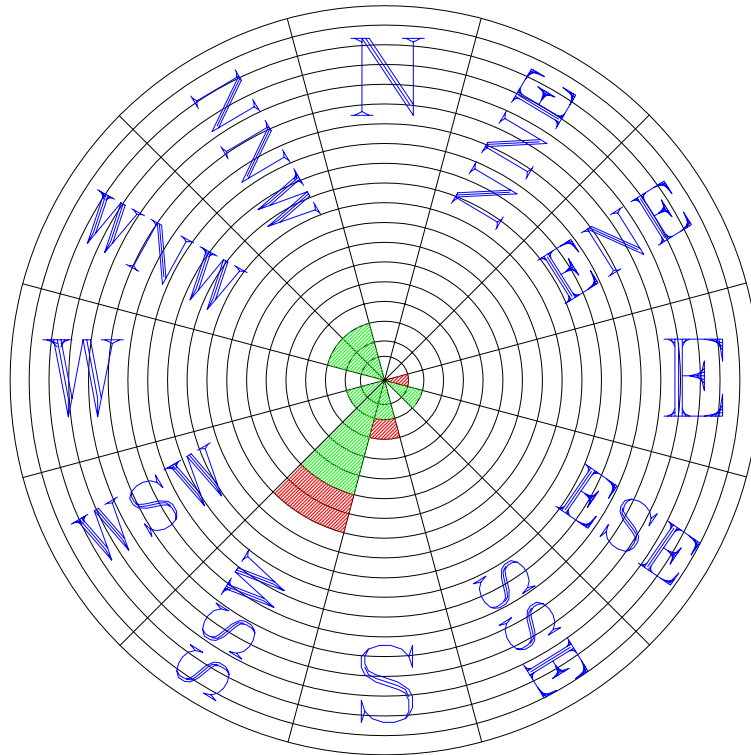
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WINDROSE DIAGRAM

SHALLOW WELLS: MW-3⁽¹⁾, MW-3R⁽¹⁾, MW-4 AND MW-5



NOTES:

- (1) Well MW-3 abandoned and replaced with well MW-3R.
Groundwater flows resolved with MW-3R are illustrated in red.

6/00, 9/00, 8/02 events not plotted, well MW-3 inaccessible.

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DATE 7/14/05	CHK. BY: KWF	APP. BY:

SHEET TITLE:

WINDROSE DIAGRAM:
SHALLOW MONITORING WELLS - 3/99 THROUGH 6/05

PROJECT TITLE:

SCHMIDBAUER LUMBER COMPANY
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

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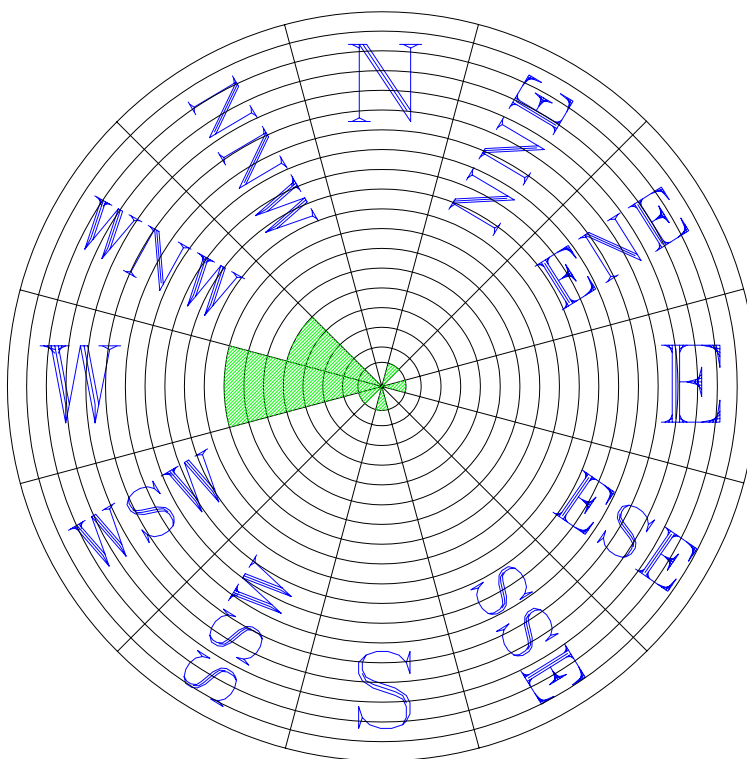
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WINDROSE DIAGRAM

SHALLOW WELLS: MW-1 , MW-6 AND MW-7



NOTES:

6/05 event not plotted, well MW-6 inaccessible.

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DATE	7/14/05	CHK. BY:	KWF	APP. BY:	

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WINDROSE DIAGRAM:
SHALLOW MONITORING WELLS - 5/01 THROUGH 6/05

PROJECT TITLE:

SCHMIDBAUER LUMBER COMPANY
1099 WATERFRONT DRIVE
EUREKA, CALIFORNIA

SCALE:

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3

Tables and Diagrams

Key and Footnotes to Diagram and Tables
1099 Waterfront Drive, Eureka, California

Key

PCP	=	Pentachlorophenol
mg/kg	=	Milligrams per kilogram
ug/L	=	Micrograms per liter
ND	=	Not detected
NA	=	Not analyzed
NR	=	Not reported
TCP	=	Trichlorophenol
TOC	=	Total organic carbon
mg/L	=	Milligrams per liter

Table Footnotes

- 1 Analytical method yields total trichlorophenols as conducted by Analytical Sciences
- 2 Co-elution
- 3 Well converted to semi-annual sampling program per 3/25/01 NCWQCB letter
- 4 Well converted to annual sampling program per 3/15/01 NCWQCB letter
- 5 Laboratory reports presence of pentachlorophenol below normal laboratory reporting limits
- 6 Wells inaccessible 5/27/04. Depth to water measured 6/2/04
- 7 Well inaccessible

**Table 1A: Groundwater Flow Direction and Gradient Shallow Wells: Site Wide
1099 Waterfront Drive, Eureka, California**

Date	Groundwater Flow Direction (+/- 5°)	Groundwater Gradient (i=ft / ft)	Notes
03/27/99	S50°E	0.002	
06/21/99	S50°W	0.002	
09/27/99	Generally Southwest		
12/22/99	Generally Southeast		
03/16/00	S45°E	0.002	
06/09/00	Northerly	0.002	MW-3 inaccessible (covered with multiple layers of logs)
09/12/00	N15°W	0.002	MW-2 and MW-3 inaccessible (covered with multiple layers of logs / lumber)
12/13/00	S20°W	0.001	
02/06/01	Southerly	0.002	
05/16/01	Southerly to Easterly	0.002	
08/21/01	Southerly	0.004	
11/13/01	Southerly	0.003	
02/12/02	Southerly	0.001	
05/14/02	Southerly	0.003	
08/22/02	Southerly	0.002	
11/20/02	Southerly	0.002	
02/26/03	Southerly	0.002	
05/09/03	Southerly	0.002	
08/19/03	Southerly	0.003	MW-8D installed
10/28/03	Southerly	0.004	Monitoring wells were re-surveyed to msl on October 7, 2003 MW-3 abandoned and replaced with MW-3R
11/20/03	Southerly	0.002	
02/05/04	S to E	0.001	
05/24/04	Northwesterly	0.003	MW-6 and MW-7 sampled on 6/2/04 (covered by logs on 5/24/04)
09/27/04	Northwesterly	0.002	
12/02/04	West-Northwesterly	0.001	
03/09/05	North-Northwest (N40°W)	0.001	Flow and gradient calculated using MW-3R, MW-4 and MW-5 only.
6/16/2005	North-Northwest (N45°W)	0.001	Flow and gradient calculated using MW-3R, MW-4 and MW-5 only.

**Table 1B: Groundwater Flow Direction and Gradient Shallow Wells: Local (MW-1, MW-6 and MW-7 only)
1099 Waterfront Drive, Eureka, California**

Date	Groundwater Flow Direction (+/- 5°)	Groundwater Gradient (i=ft / ft)	Notes
05/16/01	N75°W	0.001	
08/21/01	N30°E	0.001	
11/13/01	N80°W	0.004	
02/12/02	S85°W	0.001	
05/14/02	West (N90°W)	0.001	
08/22/02	S85°W	0.001	
11/20/02	N70°W	0.003	
02/26/03	N70°W	0.002	
05/09/03	N80°W	0.002	
08/19/03	S80°W	0.003	
10/28/03	S75°W	0.003	Monitoring wells were re-surveyed to msl on October 7, 2003
11/20/03	N80°W	0.006	
02/05/04	S80°W	0.001	
05/24/04	West (N90°W)	0.001	
09/27/04	S5°W	0.003	
12/02/04	N75°W	0.002	
03/09/05	N70°W	0.02	
06/16/05	NA ²	NA ²	

NA²- Not available, Well MW-6 in accessible
Groundwater flow directions estimated to the nearest 5 degrees.

**Table 1C: Groundwater Flow Direction and Gradient for Deep Wells
1099 Waterfront Drive, Eureka, California**

Date	Groundwater Flow Direction (+/- 5°)	Groundwater Gradient (ft ./ ft.)	Notes
02/05/04	S55°E	0.005	MW-9D installed (surveyed on February 17, 2004)
05/24/04	S50°E	0.003	
09/27/04	NA ³	NA ³	
12/02/04	S55°E	0.01	
03/09/05	S65°E	0.01	
06/16/05	N30°W	0.001	

Footnotes

NA³ - Not available, Well MW-2 inaccessible

Groundwater flow directions estimated to the nearest 5 degrees.

Table 2: Groundwater Analytical Results - MW-1
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6- Trichlorophenol (µg/L)	2,3,5,6- Tetrachlorophenol (µg/L)	2,3,4,6- Tetrachlorophenol (µg/L)	2,3,4,5- Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-1	03/27/99	11.17	2.66	8.51	3	38	3,000	<90	5,500
	06/21/99	11.17	3.05	8.12	<10	95	6,100	130	8,000
	09/27/99	11.17	3.59	7.58	9.3	<100	9,900	<100	9,800
	12/22/99	11.17	3.12	8.05	<10	200	3,700	<10	5,500
	03/16/00	11.17	2.81	8.36	<1.0	<1.0	730	<1.0	2,500
	06/09/00	11.17	3.18	7.99	1	<1.0	900	<1.0	3,300
	09/12/00	11.17	3.53	7.64	<1.0	18	300	22	1,100
	12/13/00	11.17	3.22	7.95	<1.0	<1.0	470	<1.0	1,600
	02/06/01	11.17	3.15	8.02	15 ¹	28 ²		<1.0	73
	05/16/01	11.17	3.21	7.96	<1.0	<1.0	<1.0	<1.0	55
	08/21/01	11.17	3.66	7.51	<1.0	<1.0	32	1.4	100
	11/13/01	11.17	3.46	7.71	NR	8.1 ²		1.3	16
	02/12/02	11.17	2.92	8.25	<1.0	<1.0	<1.0	<1.0	<1.0
	05/14/02	11.17	3.04	8.13	<1.0	<1.0	<1.0	<1.0	1.4
	08/22/02	11.17	3.48	7.69	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	11.17	3.48	7.69	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	11.17	2.81	8.36	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/03	11.17	2.67	8.5	<1.0	<1.0	<1.0	<1.0	<1.0
	08/19/03	11.17	3.16	8.01	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	11.17	3.24	7.93	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/03	11.17	3.06	8.11	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	11.17	2.68	8.49	<1.0	<1.0	<1.0	<1.0	<1.0
	05/24/04	11.17	2.92	8.25	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	11.17	3.27	7.90	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	11.17	3.22	7.95	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/04	11.17	3.57	7.60	<1.0	<1.0	<1.0	<1.0	<1.0
	06/16/05	11.17	3.11	8.06	<1.0	<1.0	<1.0	<1.0	<1.0

Table 3: Groundwater Analytical Results - MW-2
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-TCP (µg/L)	2,3,5,6- Tetrachlorophenol (µg/L)	2,3,4,6- Tetrachlorophenol (µg/L)	2,3,4,5- Tetrachlorophenol (µg/L)	PCP (µg/L)
MW-2	03/27/99	10.53	6.05	4.48	<0.1	0.88	16	<0.1	35
	06/21/99	10.53	6.64	3.89	<0.1	0.97	24	0.66	62
	09/27/99	10.53	7.61	2.92	<1.0	<1.0	<1.0	<1.0	<1.0
	12/22/99	10.53	5.89	4.64	<1.0	<1.0	3.8	<1.0	16
	03/16/00	10.53	6.05	4.48	<1.0	<1.0	<1.0	<1.0	<1.0
	06/08/00	10.53	7.49	3.04	<1.0	<1.0	<1.0	<1.0	<1.0
	09/12/00	10.53	Inaccessible, covered by multiple layers of logs/lumber						
	12/13/00	10.53	6.36	4.17	<1.0	<1.0	<1.0	<1.0	<1.0
	02/06/01	10.53	6.25	4.28	<1.0 ¹	<1.0 ²		<1.0	<1.0
	05/16/01	10.53	6.60	3.93	<1.0	<1.0	<1.0	<1.0	<1.0
	8/21/01 ³	10.53	7.52	3.01	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.53	6.01	4.52	NA	NA	NA	<1.0	<1.0
	02/12/02	10.53	6.12	4.41	NA	NA	NA	NA	NA
	05/14/02	10.53	7.53	3.00	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/02	10.53	Inaccessible, covered by multiple layers of logs/lumber						
	11/20/02	10.53	6.13	4.40	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	10.53	5.30	5.23	NA	NA	NA	NA	NA
	05/09/03	10.53	6.07	4.46	<1.0	<1.0	<1.0	<1.0	<1.0
	08/19/03	10.53	6.53	4.00	NA	NA	NA	NA	NA
	10/28/03	10.53	5.70	4.83	NA	NA	NA	NA	NA
	11/20/03	10.53	6.12	4.41	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	10.53	5.49	5.04	NA	NA	NA	NA	NA
	05/24/04	10.53	7.12	3.41	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	10.53	Not sampled ⁷						
	12/02/04	10.53	5.94	4.59	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	10.53	6.20	4.33	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2005	10.53	6.65	3.88	<1.0	<1.0	<1.0	<1.0	<1.0

Table 4: Groundwater Analytical Results - MW-3
1099 Waterfront Drive, Eureka, California

Well ID	Date	Water Level Elevation (feet > msl)	2,4,6- Trichlorophenol (µg/L)	2,3,5,6- Tetrachlorophenol (µg/L)	2,3,4,6- Tetrachlorophenol (µg/L)	2,3,4,5- Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-3	03/27/99	7.82	<0.1	<0.1	<0.1	<0.1	<0.1
	06/21/99	3.50	<0.1	<0.1	<0.1	<0.1	0.31
	09/27/99	6.65	<1.0	<1.0	16	<1.0	0.31
	12/22/99	7.50	<1.0	<1.0	<1.0	<1.0	<1.0
	03/16/00	7.85	<1.0	<1.0	<1.0	<1.0	<1.0
	06/08/00	Inaccessible; Well covered by multiple layers of logs/lumber					
	09/12/00	Inaccessible; Well covered by multiple layers of logs/lumber					
	12/13/00	7.65	<1.0	<1.0	<1.0	<1.0	<1.0
	02/06/01	7.48	<1.0	<1.0 ²		<1.0	<1.0
	5/16/01 ⁴	7.43	NA	NA	NA	NA	NA
	08/21/01	6.88	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	7.01	NA	NA	NA	NA	NA
	02/12/02	7.55	NA	NA	NA	NA	NA
	05/14/02	7.38	NA	NA	NA	NA	NA
	08/22/02	Inaccessible; Well covered by multiple layers of logs/lumber					
	11/20/02	7.18	NA	NA	NA	NA	NA
	02/26/03	7.82	NA	NA	NA	NA	NA
	05/09/03	7.96	NA	NA	NA	NA	NA
	08/19/03	7.14	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	Well Abandoned September 2003 and replaced by MW-3R					

Table 5: Groundwater Analytical Results - MW-3R
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6- Trichlorophenol (µg/L)	2,3,5,6- Tetrachlorophenol (µg/L)	2,3,4,6- Tetrachlorophenol (µg/L)	2,3,4,5- Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-3R	10/28/03 ⁴	10.49	3.22	7.27	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/03	10.49	2.83	7.66	NA	NA	NA	NA	NA
	02/05/04	10.49	2.24	8.25	NA	NA	NA	NA	NA
	05/24/04	10.49	2.46	8.03	NA	NA	NA	NA	NA
	09/27/04	10.49	2.84	7.65	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.49	2.69	7.80	NA	NA	NA	NA	NA
	03/09/05	10.49	2.50	7.99	NA	NA	NA	NA	NA
	06/16/05	10.49	2.50	7.99	<1.0	<1.0	<1.0	<1.0	<1.0

Table 6: Groundwater Analytical Results - MW-4
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6- Trichlorophenol (µg/L)	2,3,5,6- Tetrachlorophenol (µg/L)	2,3,4,6- Tetrachlorophenol (µg/L)	2,3,4,5- Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-4	03/27/99	10.06	2.14	7.92	<0.1	<0.1	0.12	<0.1	0.3
	06/21/99	10.06	2.28	7.78	<0.1	0.21	1.2	<0.1	3.0
	09/27/99	10.06	2.53	7.53	<1.0	<1.0	<1.0	<1.0	<1.0
	12/22/99	10.06	2.29	7.77	<1.0	<1.0	<1.0	<1.0	<1.0
	03/16/00	10.06	2.01	8.05	<1.0	<1.0	<1.0	<1.0	<1.0
	06/09/00	10.06	2.28	7.78	<1.0	<1.0	<1.0	<1.0	<1.0
	09/12/00	10.06	2.45	7.61	<1.0	<1.0	<1.0	<1.0	1.8
	12/13/00	10.06	2.10	7.96	NA	NA	NA	NA	NA
	02/06/01	10.06	2.09	7.97	<1.0 ¹	<1.0 ²		<1.0	<1.0
	5/16/01 ⁴	10.06	2.70	7.36	NA	NA	NA	NA	NA
	08/21/01	10.06	2.51	7.55	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.06	2.09	7.97	NA	NA	NA	NA	NA
	02/12/02	10.06	1.87	8.19	NA	NA	NA	NA	NA
	05/14/02	10.06	2.15	7.91	NA	NA	NA	NA	NA
	08/22/02	10.06	2.00	8.06	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	10.06	2.36	7.70	NA	NA	NA	NA	NA
	02/26/03	10.06	1.99	8.07	NA	NA	NA	NA	NA
	05/09/03	10.06	1.86	8.20	NA	NA	NA	NA	NA
	08/19/03	10.06	2.15	7.91	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	10.06	2.00	8.06	NA	NA	NA	NA	NA
	11/20/03	10.06	1.92	8.14	NA	NA	NA	NA	NA
	02/05/04	10.06	1.91	8.15	NA	NA	NA	NA	NA
	05/24/04	10.06	2.03	8.03	NA	NA	NA	NA	NA
	09/27/04	10.06	2.27	7.79	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.06	2.27	7.79	NA	NA	NA	NA	NA
	03/09/05	10.06	2.13	7.93	NA	NA	NA	NA	NA
	6/16/2005	10.06	2.11	7.95	<1.0	<1.0	<1.0	<1.0	<1.0

Table 7: Groundwater Analytical Results - MW-5
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6- Trichlorophenol (µg/L)	2,3,5,6- Tetrachlorophenol (µg/L)	2,3,4,6- Tetrachlorophenol (µg/L)	2,3,4,5- Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-5	03/27/99	10.03	1.43	8.60	<0.1	<0.1	<0.1	<0.1	0.14
	06/21/99	10.03	2.81	7.22	<0.1	<0.1	0.38	<0.1	1
	09/27/99	10.03	3.19	6.84	<1.0	<1.0	<1.0	<1.0	<1.0
	12/22/99	10.03	2.30	7.73	<1.0	<1.0	<1.0	<1.0	<1.0
	03/16/00	10.03	1.15	8.88	<1.0	<1.0	<1.0	<1.0	<1.0
	06/09/00	10.03	2.31	7.72	<1.0	<1.0	<1.0	<1.0	<1.0
	09/12/00	10.03	3.18	6.85	<1.0	<1.0	<1.0	<1.0	<1.0
	12/13/00	10.03	2.24	7.79	<1.0	<1.0	<1.0	<1.0	<1.0
	02/06/01	10.03	2.33	7.70	<1.0 ¹	<1.0 ²		<1.0	<1.0
	5/16/01 ⁴	10.03	2.33	7.70	NA	NA	NA	NA	NA
	08/21/01	10.03	3.24	6.79	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.03	1.90	8.13	NA	NA	NA	NA	NA
	02/12/02	10.03	2.14	7.89	NA	NA	NA	NA	NA
	05/14/02	10.03	2.65	7.38	NA	NA	NA	NA	NA
	08/22/02	10.03	3.10	6.93	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	10.03	2.74	7.29	NA	NA	NA	NA	NA
	02/26/03	10.03	2.09	7.94	NA	NA	NA	NA	NA
	05/09/03	10.03	1.77	8.26	NA	NA	NA	NA	NA
	08/19/03	10.03	2.66	7.37	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	10.03	2.54	7.49	NA	NA	NA	NA	NA
	11/20/03	10.03	1.92	8.11	NA	NA	NA	NA	NA
	02/05/04	10.03	1.65	8.38	NA	NA	NA	NA	NA
	05/24/04	10.03	2.43	7.60	NA	NA	NA	NA	NA
	09/27/04	10.03	2.74	7.29	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.03	2.38	7.65	NA	NA	NA	NA	NA
	03/09/05	10.03	2.35	7.68	NA	NA	NA	NA	NA
	06/16/05	10.03	2.50	7.53	<1.0	<1.0	<1.0	<1.0	<1.0

Table 8: Groundwater Analytical Results - MW-6
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6- Trichlorophenol (µg/L)	2,3,5,6- Tetrachlorophenol (µg/L)	2,3,4,6- Tetrachlorophenol (µg/L)	2,3,4,5- Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-6	02/06/01	10.71	2.75	7.96	4.5	<1.0 ²		<1.0	<1.0
	05/16/01	10.71	2.71	8.00	<1.0	<1.0	<1.0	<1.0	6.1
	08/21/01	10.71	3.24	7.47	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.71	2.87	7.84	NR	<1.0 ²		<1.0	<1.0
	02/12/02	10.71	2.41	8.30	<1.0	<1.0	<1.0	<1.0	<1.0
	05/14/02	10.71	2.51	8.20	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/02	10.71	2.98	7.73	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	10.71	2.96	7.75	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	10.71	2.31	8.40	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/03	10.71	2.16	8.55	<1.0	<1.0	<1.0	<1.0	<1.0
	08/19/03	10.71	2.59	8.12	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	10.71	2.67	8.04	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/03	10.71	2.49	8.22	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	10.71	2.18	8.53	<1.0	<1.0	<1.0	<1.0	<1.0
	06/02/04 ⁶	10.71	2.38	8.33	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	10.71	2.74	7.97	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.71	2.70	8.01	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	10.71	2.56	8.15	<1.0	<1.0	<1.0	<1.0	<1.0
	06/16/05	10.71	NM	NM	NA	NA	NA	NA	NA

Table 9: Groundwater Analytical Results - MW-7
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6- Trichlorophenol (µg/L)	2,3,5,6- Tetrachlorophenol (µg/L)	2,3,4,6- Tetrachlorophenol (µg/L)	2,3,4,5- Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-7	02/06/01	10.76	2.79	7.97	<1.0	<1.0 ²		<1.0	<1.0 ⁵
	05/16/01	10.76	2.78	7.98	<1.0	<1.0	<1.0	<1.0	<1.0
	08/21/01	10.76	3.19	7.57	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/01	10.76	3.10	7.66	NR	<1.0 ²		<1.0	<1.0
	02/12/02	10.76	2.52	8.24	<1.0	<1.0	<1.0	<1.0	<1.0
	05/14/02	10.76	2.63	8.13	<1.0	<1.0	<1.0	<1.0	<1.0
	08/22/02	10.76	3.06	7.7	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/02	10.76	3.03	7.73	<1.0	<1.0	<1.0	<1.0	<1.0
	02/26/03	10.76	2.37	8.39	<1.0	<1.0	<1.0	<1.0	<1.0
	05/09/03	10.76	2.24	8.52	<1.0	<1.0	<1.0	<1.0	<1.0
	08/19/03	10.76	2.79	7.97	<1.0	<1.0	<1.0	<1.0	<1.0
	10/28/03	10.76	2.89	7.87	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/03	10.76	2.69	8.07	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	10.76	2.29	8.47	<1.0	<1.0	<1.0	<1.0	<1.0
	06/02/04 ⁶	10.76	2.50	8.26	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	10.76	2.86	7.90	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	10.76	2.79	7.97	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	10.76	2.62	8.14	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2005	10.76	2.64	8.12	<1.0	<1.0	<1.0	<1.0	<1.0

Table 10: Groundwater Analytical Results - MW-8D
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-8D	10/28/03	11.15	6.13	5.02	<1.0	<1.5 ²		<1.0	6.6
	11/20/03	11.15	6.57	4.58	<1.0	<1.0	<1.0	<1.0	<1.0
	02/05/04	11.15	5.96	5.19	<1.0	<1.0	<1.0	<1.0	<1.0
	05/24/04	11.15	7.63	3.52	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	11.15	6.88	4.27	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	11.15	6.42	4.73	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	11.15	6.72	4.43	<1.0	<1.0	<1.0	<1.0	<1.0
	06/16/05	11.15	7.25	3.90	<1.0	<1.0	<1.0	<1.0	<1.0

Table 11: Groundwater Analytical Results - MW-9D
1099 Waterfront Drive, Eureka, California

Well ID	Date	Top of Casing Elevation (ft>msl)	Depth to Groundwater (feet)	Water Level Elevation (feet > msl)	2,4,6-Trichlorophenol (µg/L)	2,3,5,6-Tetrachlorophenol (µg/L)	2,3,4,6-Tetrachlorophenol (µg/L)	2,3,4,5-Tetrachlorophenol (µg/L)	Pentachlorophenol (µg/L)
MW-9D	02/05/04	11.01	5.86	5.15	<1.0	<1.0	1.9	<1.0	12
	05/24/04	11.01	7.53	3.48	<1.0	<1.0	<1.0	<1.0	<1.0
	09/27/04	11.01	6.78	4.23	<1.0	<1.0	<1.0	<1.0	<1.0
	12/02/04	11.01	6.32	4.69	<1.0	<1.0	<1.0	<1.0	<1.0
	03/09/05	11.01	6.75	4.26	<1.0	<1.0	<1.0	<1.0	<1.0
	6/16/2005	11.01	7.09	3.92	<1.0	<1.0	<1.0	<1.0	<1.0

Footnotes

- 1 - Analytical method yields total trichlorophenols as conducted by Analytical Sciences
- 2 - Co-elution
- 3 - Well converted to semi-annual sampling program per 3/25/01 NCRWQCB letter
- 4 - Well converted to annual sampling program per 3/15/01 NCRWQCB letter
- 5 - Laboratory reports presence of pentachlorophenol below normal laboratory reporting limits
- 6 - Wells inaccessible 5/27/04. Depth to water measured 6/2/04
- 7 - Well inaccessible.
- NA - Not Analyzed
- NR - Not Reported
- NM - Not Measured

**Table 12: Groundwater Analytical Results - Trihalomethanes
1099 Waterfront Drive, Eureka, California**

Date	Well Identification Number	Chloroform	Dibromodichloromethane	Dibromochloromethane	Bromoform
6/16/2005	MW-1	<1.0	<1.0	<1.0	<1.0
	MW-2	<1.0	<1.0	<1.0	<1.0
	MW-3R	<1.0	<1.0	<1.0	<1.0
	MW-4	<1.0	<1.0	<1.0	<1.0
	MW-5	<1.0	<1.0	<1.0	<1.0
	MW-6	NA	NA	NA	NA
	MW-7	<1.0	<1.0	<1.0	<1.0
	MW-8D	<1.0	<1.0	<1.0	<1.0
	MW-9D	<1.0	<1.0	<1.0	<1.0

NA - Not Analyzed, well inaccessible

Appendix A
Well Purge Records
16 June 2005

Appendix B
Analytical Science Report #5061703
29 June 2005



Report Date: June 29, 2005

Karin Fresnel
SCS Engineers
3645 Westwind Blvd.
Santa Rosa, CA 95403

LABORATORY REPORT

Project Name: **Schmidbauer** **01203316.00**

Lab Project Number: **5061703**

This 10 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.
Laboratory Director



Chlorinated Phenols in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30305	MW-1	2,3,4-trichlorophenol	ND	1.0
		2,4,5-trichlorophenol	ND	1.0
		2,4,6-trichlorophenol	ND	1.0
		2,3,4,6-tetrachlorophenol	ND	1.0
		2,3,5,6-tetrachlorophenol	ND	1.0
		2,3,4,5-tetrachlorophenol	ND	1.0
		Pentachlorophenol (PCP)	ND	1.0

Date Sampled: 06/16/05
Date Received: 06/17/05

Date Extracted: 06/20/05
Date Analyzed: 06/20/05

QC Batch #: S0423
Method: Canadian Pulp

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30310	MW-7	2,3,4-trichlorophenol	ND	1.0
		2,4,5-trichlorophenol	ND	1.0
		2,4,6-trichlorophenol	ND	1.0
		2,3,4,6-tetrachlorophenol	ND	1.0
		2,3,5,6-tetrachlorophenol	ND	1.0
		2,3,4,5-tetrachlorophenol	ND	1.0
		Pentachlorophenol (PCP)	ND	1.0

Date Sampled: 06/16/05
Date Received: 06/17/05

Date Extracted: 06/20/05
Date Analyzed: 06/20/05

QC Batch #: S0423
Method: Canadian Pulp



Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30311	MW-8D	2,3,4-trichlorophenol	ND	1.0
		2,4,5-trichlorophenol	ND	1.0
		2,4,6-trichlorophenol	ND	1.0
		2,3,4,6-tetrachlorophenol	ND	1.0
		2,3,5,6-tetrachlorophenol	ND	1.0
		2,3,4,5-tetrachlorophenol	ND	1.0
		Pentachlorophenol (PCP)	ND	1.0

Date Sampled: 06/16/05
Date Received: 06/17/05

Date Extracted: 06/20/05
Date Analyzed: 06/20/05

QC Batch #: S0423
Method: Canadian Pulp

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
30312	MW-9D	2,3,4-trichlorophenol	ND	1.0
		2,4,5-trichlorophenol	ND	1.0
		2,4,6-trichlorophenol	ND	1.0
		2,3,4,6-tetrachlorophenol	ND	1.0
		2,3,5,6-tetrachlorophenol	ND	1.0
		2,3,4,5-tetrachlorophenol	ND	1.0
		Pentachlorophenol (PCP)	ND	1.0

Date Sampled: 06/16/05
Date Received: 06/17/05

Date Extracted: 06/20/05
Date Analyzed: 06/20/05

QC Batch #: S0423
Method: Canadian Pulp



Total Trihalomethanes by GC/MS in Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30305	MW-1	chloroform (THM1)	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		bromoform (THM4)	ND	1.0
		Total Trihalomethanes (TTHMs)	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)		20.0	100	70 – 130
toluene-d ₈ (20)		19.1	95.5	70 – 130
4-bromofluorobenzene (20)		18.3	91.5	70 – 130

Date Sampled: 06/16/05
Date Received: 06/17/05

Date Analyzed: 06/21/05
Method: EPA 8260B

QC Batch #: 5605

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30306	MW-2	chloroform (THM1)	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		bromoform (THM4)	ND	1.0
		Total Trihalomethanes (TTHMs)	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)		20.0	100	70 – 130
toluene-d ₈ (20)		19.1	95.5	70 – 130
4-bromofluorobenzene (20)		18.1	90.5	70 – 130

Date Sampled: 06/16/05
Date Received: 06/17/05

Date Analyzed: 06/21/05
Method: EPA 8260B

QC Batch #: 5605



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30307	MW-3R	chloroform (THM1)	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		bromoform (THM4)	ND	1.0
		Total Trihalomethanes (TTHMs)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	19.9	99.5	70 – 130
toluene-d ₈ (20)	19.0	95.0	70 – 130
4-bromofluorobenzene (20)	18.2	91.0	70 – 130

Date Sampled: 06/16/05	Date Analyzed: 06/21/05	QC Batch #: 5605
Date Received: 06/17/05	Method: EPA 8260B	

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30308	MW-4	chloroform (THM1)	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		bromoform (THM4)	ND	1.0
		Total Trihalomethanes (TTHMs)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	19.7	98.5	70 – 130
toluene-d ₈ (20)	19.1	95.5	70 – 130
4-bromofluorobenzene (20)	18.2	91.0	70 – 130

Date Sampled: 06/16/05	Date Analyzed: 06/21/05	QC Batch #: 5605
Date Received: 06/17/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30309	MW-5	chloroform (THM1)	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		bromoform (THM4)	ND	1.0
		Total Trihalomethanes (TTHMs)	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)		19.7	98.5	70 – 130
toluene-d ₈ (20)		19.1	95.5	70 – 130
4-bromofluorobenzene (20)		18.1	90.5	70 – 130
<div>Date Sampled: 06/16/05 Date Analyzed: 06/21/05 QC Batch #: 5605</div> <div>Date Received: 06/17/05 Method: EPA 8260B</div>				

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30310	MW-7	chloroform (THM1)	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		bromoform (THM4)	ND	1.0
		Total Trihalomethanes (TTHMs)	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)		19.9	99.5	70 – 130
toluene-d ₈ (20)		19.1	95.5	70 – 130
4-bromofluorobenzene (20)		18.2	91.0	70 – 130
<div>Date Sampled: 06/16/05 Date Analyzed: 06/21/05 QC Batch #: 5605</div> <div>Date Received: 06/17/05 Method: EPA 8260B</div>				



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30311	MW-8D	chloroform (THM1)	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		bromoform (THM4)	ND	1.0
		Total Trihalomethanes (TTHMs)	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)		19.8	99.0	70 – 130
toluene-d ₈ (20)		19.0	95.0	70 – 130
4-bromofluorobenzene (20)		18.2	91.0	70 – 130
<div>Date Sampled: 06/16/05 Date Analyzed: 06/21/05 QC Batch #: 5605 Date Received: 06/17/05 Method: EPA 8260B</div>				

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
30312	MW-9D	chloroform (THM1)	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		bromoform (THM4)	ND	1.0
		Total Trihalomethanes (TTHMs)	ND	1.0
Surrogates		Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)		19.6	98.0	70 – 130
toluene-d ₈ (20)		19.1	95.5	70 – 130
4-bromofluorobenzene (20)		18.1	90.5	70 – 130
<div>Date Sampled: 06/16/05 Date Analyzed: 06/21/05 QC Batch #: 5605</div> <div>Date Received: 06/17/05 Method: EPA 8260B</div>				



LABORATORY QUALITY ASSURANCE REPORT

QC Batch #: S0423

Lab Project #: 5061703

Sample ID	Compound	Result (ug/L)
MB	2,3,5,6-tetrachlorophenol	ND
MB	2,3,4,6-tetrachlorophenol	ND
MB	2,3,4,5-tetrachlorophenol	ND
MB	pentachlorophenol	ND

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	2,3,5,6-tetrachlorophenol	4.94	5.0	98.8
LCS	2,3,4,6-tetrachlorophenol	5.34	5.0	107
LCS	2,3,4,5-tetrachlorophenol	5.00	5.0	100
LCS	pentachlorophenol	5.47	5.0	109

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCSD	2,3,5,6-tetrachlorophenol	5.07	5.0	101	2.0
LCSD	2,3,4,6-tetrachlorophenol	5.40	5.0	108	1.1
LCSD	2,3,4,5-tetrachlorophenol	5.00	5.0	100	0.0
LCSD	pentachlorophenol	5.87	5.0	117	7.1

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



QC Batch #: 5605

Lab Project #: 5061703

Sample ID	Compound Name	Result (ug/L)
MB	1,1-dichloroethene	ND
MB	benzene	ND
MB	trichloroethene	ND
MB	toluene	ND
MB	chlorobenzene	ND

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.2	101	70 – 130
toluene-d ₈ (20)	19.0	95.0	70 – 130
4-bromofluorobenzene (20)	18.2	91.0	70 – 130

Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.
30305	CMS	1,1-dichloroethene	25.6	25.0	102
	CMS	benzene	23.6	25.0	94.4
	CMS	trichloroethene	22.6	25.0	90.4
	CMS	toluene	24.9	25.0	99.6
	CMS	chlorobenzene	24.8	25.0	99.2

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.0	100	70 – 130
toluene-d ₈ (20)	19.1	95.5	70 – 130
4-bromofluorobenzene (20)	18.4	92.1	70 – 130



Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.	RPD
30305	CMSD	1,1-dichloroethene	25.4	25.0	101	0.78
	CMSD	benzene	23.4	25.0	93.6	0.85
	CMSD	trichloroethene	22.2	25.0	88.8	1.8
	CMSD	toluene	24.6	25.0	98.4	1.2
	CMSD	chlorobenzene	24.4	25.0	97.6	1.6

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	19.9	99.6	70 – 130
toluene-d ₈ (20)	19.1	95.5	70 – 130
4-bromofluorobenzene (20)	18.0	90.0	70 – 130

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 5061703

CLIENT INFORMATION		BILLING INFORMATION	
COMPANY NAME: SCS ENGINEERS	CONTACT: Rick Graham	SCS ENGINEERS PROJECT NAME: Schmidbauer	SCS ENGINEERS PROJECT NUMBER: 01203316.00
ADDRESS: 3645 WESTWIND BOULEVARD	COMPANY NAME: Schmidbauer Lumber	GEO TRACKER EDF: Y N	
SANTA ROSA, CA 95403	ADDRESS: 1099 WATERFRONT DR.	GLOBAL ID: _____	
CONTACT: Karin Fresnel	EUREKA, CA 95901	COOLER TEMPERATURE _____ °C	
PHONE#: (707) 646-9464	PHONE#: 707.443-7024	COC _____	
FAX #: (707) 544-5769	FAX #: _____	PAGE 1 OF 1	

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX & MTBE EPA 8015M/8020	TPH DIESEL / MOTOR OIL EPA 8015M	VOLATILE HYDROCARBONS EPA 8280 (FULL LIST)	EPA 8280 (FULL LIST) + Oxy / Fuel Additives	BTEX & OXYGENATES + PB SCAVENGERS EPA 8260B	OXYGENATED FUEL ADDITIVES EPA 8260M	CHLORINATED SOLVENTS	SEM-VOLATILE HYDROCARBONS EPA 8270	TRPH / TOG SM 6620F / EPA 418.1M	PESTICIDES / PCB'S EPA 8081 / 8141 / 8082	CAM 17 METALS / 6 LUFT METALS	PER 17 C by CANADIAN RPD	Trihalomethanes	LAB SAMPLE #
1	MW-1	6-16-05	4:47	LIR	5	Y/N												X		30305
2	MW-2		5:55		3	Y												X		30306
3	MW-3R		3:46		3	Y												X		30307
4	MW-4		2:48		3	Y												X		30308
5	MW-5		2:15		3	Y												X		30309
6	MW-6				5	Y/N												X		30310
7	MW-7		6:30		5	Y/N												X		30311
8	MW-80		4:57		5	Y/N												X		30312
9	MW-9D		5:29		5	Y/N												X		
10																				
11																				

SIGNATURES	
RELINQUISHED BY: Pam Pyle	DATE: 6-17-05 TIME: 2:00
RECEIVED BY:	DATE: TIME:
RELINQUISHED BY:	DATE: TIME:
RECEIVED BY:	DATE: TIME:
RECEIVED BY LABORATORY: DATE: 6-17-05 TIME: 2:00	